

Apr 17-9:04 AM

25.1 Review

Grade: 9th
Subject: Earth Science
Date: 4/16

Apr 17-9:04 AM

1 What continues to absorb solar energy and increase in temperature as long as the sun's rays hit it?

- A land
- B ocean
- C air
- D vegetation

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2 Which of the following affects the angle at which the sun's rays hit Earth?

- A weather
- B sea level
- C latitude
- D wind

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3 A weather event in which a moving air mass hits a mountain, rises, cools, and loses most of its moisture through precipitation is called a...

- A monsoon
- B rain shadow
- C foehn
- D chinook

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4 Which of the following weather conditions is NOT affected by wind?

- A precipitation
- B cloud cover
- C temperature
- D drought

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5 Two major factors used to identify climate are...

- A longitude and latitude
- B temperature and precipitation
- C latitude and temperature
- D precipitation and longitude

Apr 17-9:13 AM

6 The average weather conditions in an area over a long period of time is known as the _____.

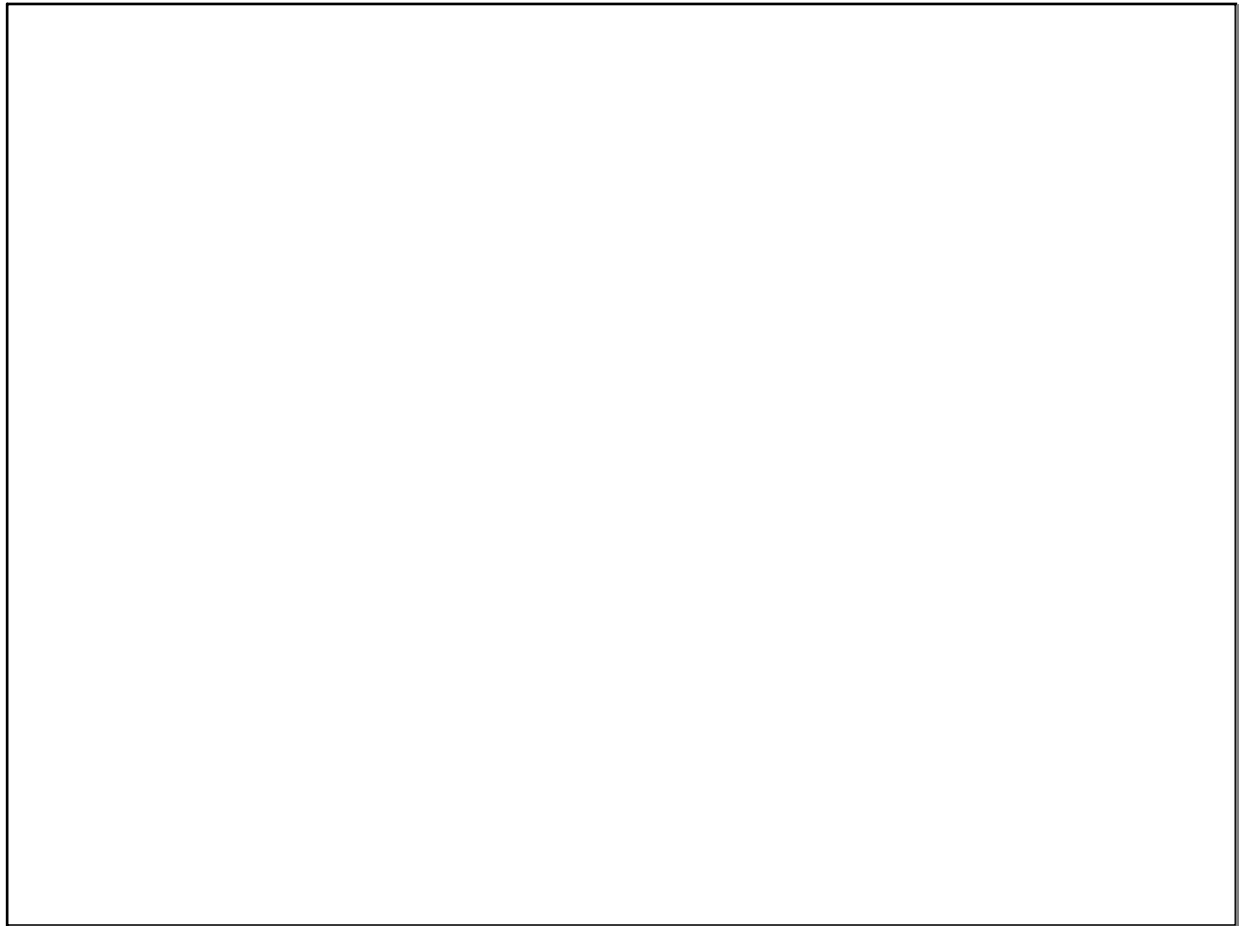
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7 _____ is the quantity of heat required to raise unit mass of 1 K or 1 degree Celsius.

Apr 17-9:14 AM

8 A seasonal wind that blows toward land in summer, bringing heavy rains, and that blows away from land in winter bringing dry weather is known as a _____.

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Apr 17-11:17 AM

25.2 Review

Grade: 9th
Subject: Earth Science
Date: 4/22

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1 A climate in which average temperatures are near freezing is considered a _____ climate.

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2 The climate of a small area is considered to be a _____.

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3 A climate characterized by variable temperatures and precipitation over short distances is considered a _____ climate.

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4 City buildings absorb and reradiate solar energy, which raises the temperature of the air and creates a ...

- A highland climate
- B heat island
- C heat trap
- D sub-climate

Apr 22-9:51 AM

5 Which of these middle-latitude climates has drought-resistant vegetation; cold, dry winters; and warm-wet summers?

- A marine west coast
- B humid continental
- C steppe
- D mediterranean

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6 Which of these climates is characterized by dense, lush vegetation; broadleaf plants; and high biodiversity?

- A polar
- B savanna
- C desert
- D rain forest

Apr 22-9:53 AM

7 Which of these climates has treeless plants and nine months of temperatures below freezing?

- A tundra
- B mediterranean
- C subartic
- D polar icecap

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8 Which of the following moderates temperature and increases rainfall?

- A mountain
- B iceberg
- C ocean
- D desert

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25.3 Review

Grade: 9th
Subject: Earth Science
Date: 4/23

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1 Climate does NOT change as a result of...

- A plate tectonic motion
- ☒ B general circulation models
- C human activity
- D volcanic activity

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2 Which of the following is NOT an impact of climate change?

- A change in tidal patterns
- B sea-level changes
- ☒ C global warming
- D change in precipitation

Apr 22-4:44 PM

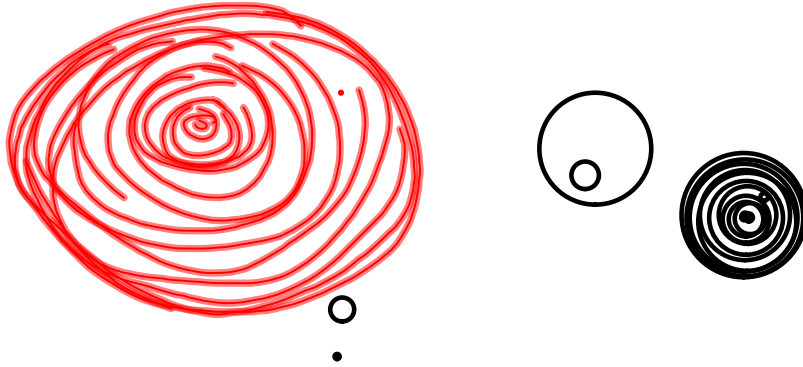
3 Which method measures concentrations of ^{18}O to determine past climate changes?

- A ice cores
- B sea-floor sediment
- C fossils
- D tree rings

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4 Thin tree rings indicate which of the following?

- A cool weather, more rainfall
- B warm weather, more rainfall
- C warm weather, less rainfall
- D cool weather, less rainfall



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5 Which of the following will NOT help reduce CO₂ levels in the atmosphere?

- A using public transportation
- B driving a hybrid car
- ☒ C burning more fossil fuels
- D recycling

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6 Ice cores provide a method to measure gases in meltwater to study past climates.

True

False

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7 The idea that orbital changes leads to climate changes is known as the Milankovitch theory.

True

False

Apr 22-4:50 PM

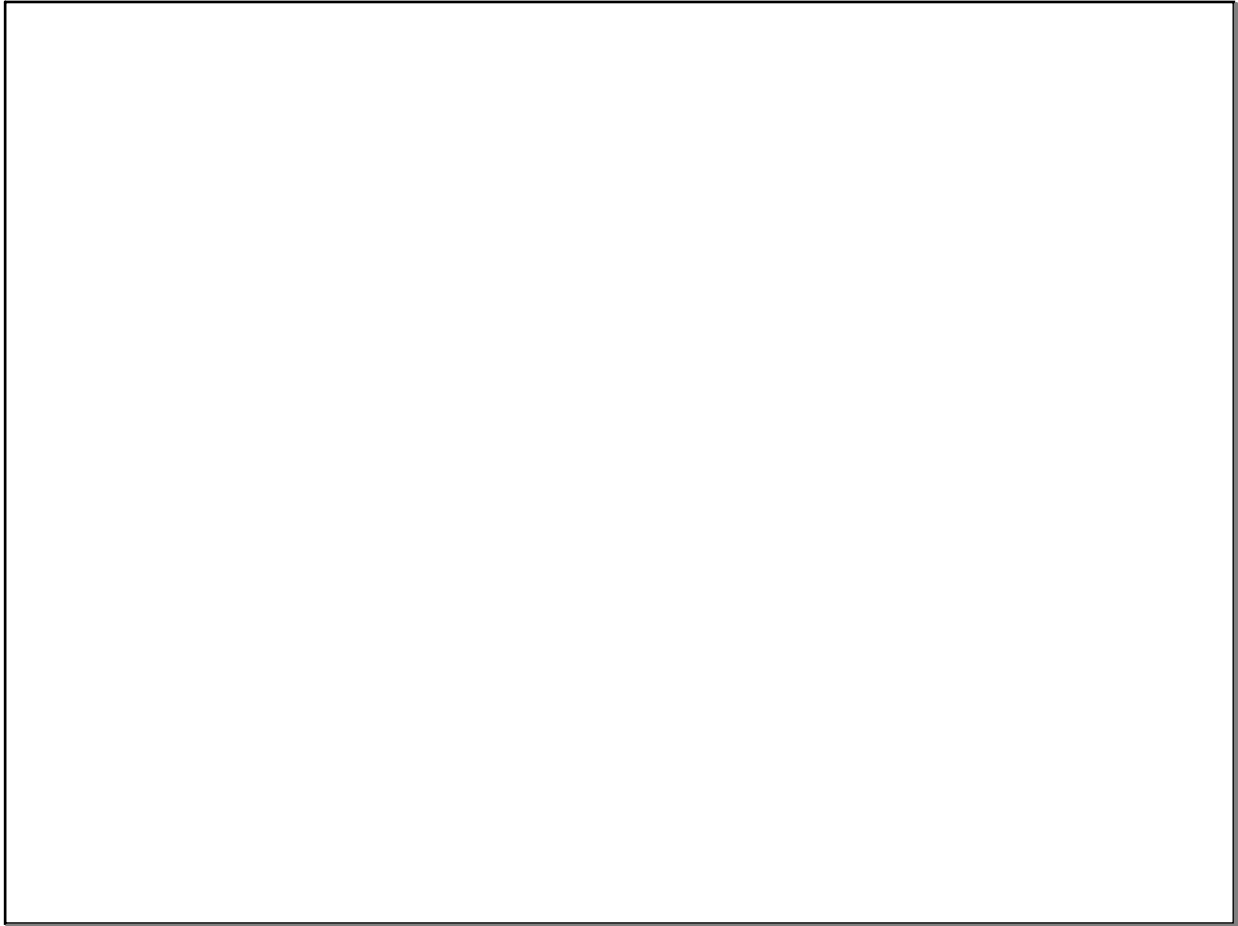
8 A method that measures pollen, leaf shapes, and animal adaptations to study past climates is the analysis of

_____.

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9 A gradual increase in the average global temperature due to a higher concentration of atmospheric gases is known as _____.

Apr 22-4:52 PM



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